Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/25/2019 12:11 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124561	-1	2.24	124598	2.30
Blue	F	SSC	125000	124148	-1	3.81	124897	3.92
Blue	E	FITC	16694	16471	-2	3.85	383	22.07
Blue	D	PE	32792	32568	-1	3.17	718	16.91
Blue	B	PerCP-Cy5-5	44451	44511	0	4.74	1219	24.03
Blue	A	PE-Cy7	33645	34048	1	7.37	613	50.25
Red	C	APC	47008	46825	-1	3.05	1807	13.58
Red	A	APC-Cy7	32298	31873	-2	2.90	797	14.05
Violet	B	V450	8961	8622	-4	4.64	489	16.14
Violet	A	V500	32726	31511	-4	4.41	758	11.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20729	5.29	611	-2	N/A	N/A	Pass
Blue	F	SSC	56290	3.44	586	18	N/A	N/A	Pass
Blue	E	FITC	64	74.13	570	7	0.0157	185	Pass
Blue	D	PE	143	59.00	575	9	0.1209	284	Pass
Blue	B	PerCP-Cy5-5	222	57.55	681	10	0.0066	21	Pass
Blue	A	PE-Cy7	120	126.56	737	11	0.0083	29	Pass
Red	C	APC	408	29.13	614	1	0.0186	120	Pass
Red	A	APC-Cy7	197	31.45	585	0	0.0046	990	Pass
Violet	B	V450	91	67.07	483	-3	0.0411	3560	Pass
Violet	A	V500	113	38.49	493	-3	0.0179	958	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.40	-32.62	1.09
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	16.55	13.60 - 20.40	N/A	N/A	29.41	30.15	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9909

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments